

Notice of Allowability

Application No.

10/824,436

Examiner

Timothy L. Rude

Applicant(s)

JUNG ET AL.

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed 06 November 2006.
2. ☒ The allowed claim(s) is/are 1-14, 16-21 and 24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 20061024, 20070103
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

David Nelms

Supervisory Patent Examiner
Technology Center 2800

tlr

DETAILED ACTION

Claim Rejections - 35 USC § 112

Applicant's arguments are persuasive. Rejections under first paragraph are withdrawn.

Allowable Subject Matter

Claims 1-14, 16-21, and 24 are allowed.

The following is an examiner's statement of reasons for allowance:

As to independent claim 1, relevant prior art of record did not disclose, alone or in combination, the liquid crystal display panel as claimed comprising a sealing connection part wherein the end patterns cross over each other and are of a size such that a sealant of the connection part does not come into contact with the cut line when the first and second substrates are attached together (product by process limitation resulting in no connection part sealant at or beyond the edge of the finished display panel).

The closest reference is Yoshizoe, US 200310025867.

Yoshizoe discloses and shows in Figs. 3, 4 and 7, a seal pattern structure for a liquid crystal display panel, comprising: a first and second substrates (2) having at least one image display part (8);

a start pattern (12) on the first substrate (2) formed from a point spaced apart

from the image display part to a point adjacent to an outer edge of the image display part;

a main pattern (4) connected to the start pattern and encompassing the outer edge of the image display part; and

an end pattern (14) connected to the main pattern and formed from the outer edge of the image display part to a point spaced apart from the image display part,

liquid crystal (16) provided in the image display part (Fig. 7);

wherein a connection part between the start pattern and the main pattern and a connection part between the main pattern and the end pattern cross each other.

However, no prior art was found with proper motivation to combine to meet the limitations above.

As to claims 2-14, they are, directly or indirectly, properly dependent upon claim 1 with allowable subject matter above.

As to independent claims 21 and 24, relevant prior art of record did not disclose, alone or in combination, the method of making a liquid crystal display panel as claimed comprising forming a sealing connection part wherein the end patterns cross over each other and are of a size such that a sealant of the connection part does not come into contact with the cut line when the first and second substrates are attached together.

The closest reference is Yoshizoe, above.

As to claims 16-20, they are, directly or indirectly, properly dependent upon claim 21 with allowable subject matter above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy L. Rude whose telephone number is (571) 272-2301. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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Examiner
Art Unit 2871


David Nelms
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